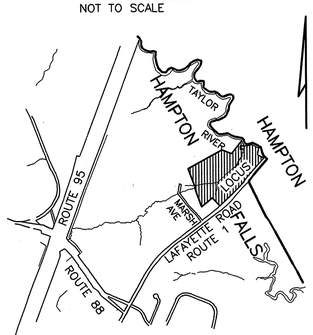
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 38 ELDRIDGE

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL 36" WALNUT EL 50.47

#2 SET HUB EL 45.75

#3 TOP OF CONCRETE POST EL 50.42

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 49.0
2. THERE IS/ARE APPROX 6" FT ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:

   RCRD PLAN D24499

2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A OVER 5 ACRES

3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.

4. NO SURFACE WATER/OR WELL WITHIN 100' OF PROPOSED LEACH FIELD — HYDRIC SOILS

PUMP SPECIFICATIONS

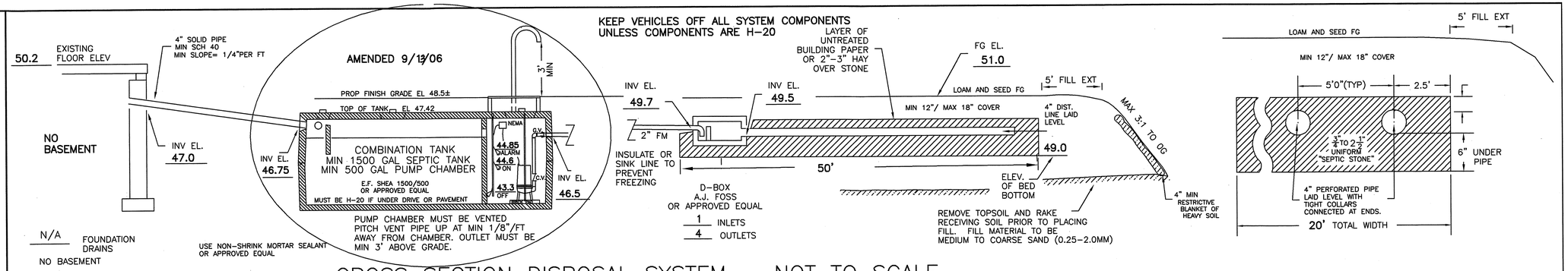
USE 1 PUMP, STA–RITE EC44012M
4/10 HP, 115 VOLTS, 2" DISCHARGE
(OR EQUIVALENT)
FLOATS TO BE SET TO DISTRIBUTE
DOSAGE OF 130 GALLONS± PER DOSE
FOR 4.6 CYCLES PER DAY BASED ON
600 GPD DESIGN LOADING.
PUMP WILL DELIVER APPROX 50 GPM AT
12'± TDH FOR 2.6 MIN EST. RUNNING TIME

TO BE EQUIPPED WITH AUDIBLE ALARM.
ELECTRICAL CONTROLS MUST BE APPROVED
BY PUMP MANUFACTURER.

SURVEY PLAN OF ENTIRE TRACT ATTACHED.

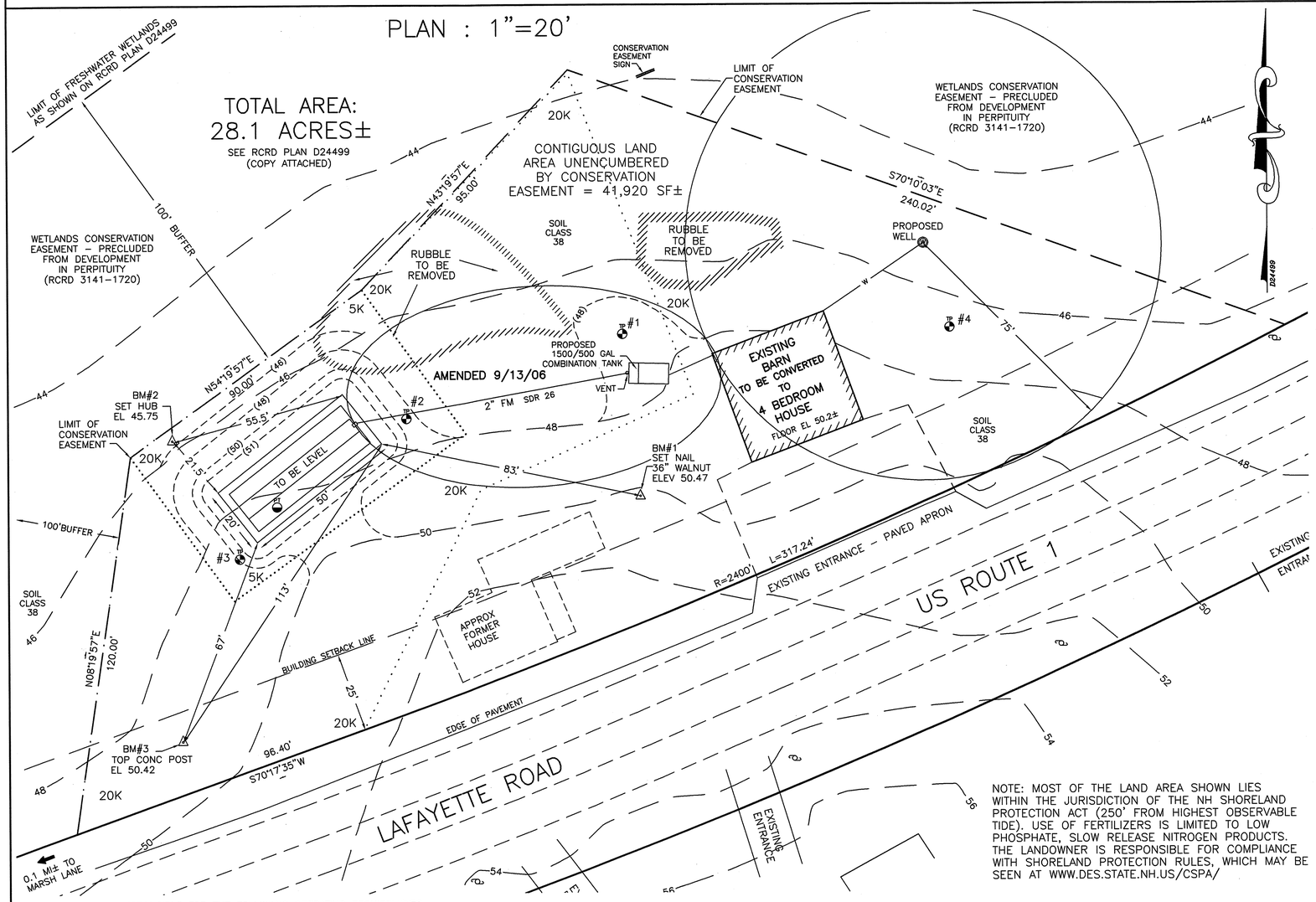
PLOT PLAN

1"=APPROX _____


50.2
EXISTING FLOOR ELEV
4" SOLID PIPE MIN SCH 40 MIN SLOPE= 1/4"PER FT
NO BASEMENT
INV EL. 47.0
AMENDED 9/13/06
3' MIN
PROP FINISH GRADE EL 48.5±
TOP OF TANK EL 47.42
INV EL. 46.75
COMBINATION TANK
MIN 1500 GAL SEPTIC TANK
MIN 500 GAL PUMP CHAMBER
E.F. SHEA 1500/500 OR APPROVED EQUAL
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
HDPE
44.85 ALARM
44.6 ON
43.3 OFF
C.V.
INV EL. 46.5
PUMP CHAMBER MUST BE VENTED
PITCH VENT PIPE UP AT MIN 1/8"/FT
AWAY FROM CHAMBER. OUTLET MUST BE
MIN 3' ABOVE GRADE.
N/A
FOUNDATION DRAINS
NO BASEMENT
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
KEEP VEHICLES OFF ALL SYSTEM COMPONENTS
UNLESS COMPONENTS ARE H–20
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
INV EL. 49.7
INV EL. 49.5
FG EL. 51.0
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO OG
2" FM
INSULATE OR SINK LINE TO PREVENT FREEZING
50'
49.0
ELEV. OF BED BOTTOM
D–BOX
A.J. FOSS
OR APPROVED EQUAL
1 INLETS
4 OUTLETS
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
3/4" TO 2-1/2" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
20' TOTAL WIDTH

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



NOTE: MOST OF THE LAND AREA SHOWN LIES WITHIN THE JURISDICTION OF THE NH SHORELAND PROTECTION ACT (250' FROM HIGHEST OBSERVABLE TIDE). USE OF FERTILIZERS IS LIMITED TO LOW PHOSPHATE, SLOW RELEASE NITROGEN PRODUCTS. THE LANDOWNER IS RESPONSIBLE FOR COMPLIANCE WITH SHORELAND PROTECTION RULES, WHICH MAY BE SEEN AT WWW.DES.STATE.NH.US/CSPA/

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.

TP TEST PIT DATA

DATE: MAY 3, 2006 — TOWN INSPECTOR RICHARD BOND

TEST PIT #1 EL 47.0

0 –12" 10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE
12–24" 10YR4/6 FINE SAND, GRANULAR, FRIABLE
24–36" 2.5Y5/6 FINE SAND, GRANULAR FRIABLE, MOTTLED
36–72" 2.5Y5/4 SILTY FINE SANDY LOAM, MASSIVE FIRM
ESHWT @ 24", OBSERVED H2O @ 24", ROOTS TO 32"
NO REFUSAL, HEAVY ANTECEDENT RAIN

TEST PIT #2 EL 47.4

0 –12" 10YR3/4 FINE SANDY LOAM, GRANULAR, FRIABLE (REMOVE)
12–24" 10YR5/4 TO 5/6 FINE SAND, GRANULAR FRIABLE
24–29" 2.5Y5/4 FINE SAND, GRANULAR, FRIABLE
29–36" 2.5Y5/3 FINE SAND, 10YR5/6 STAINING 29–31"
36–72" 2.5Y5/3 SILTY FINE SANDY LOAM, MASSIVE FIRM
ESHWT @ 29", OBSERVED H2O @ 36", ROOTS TO 30"
NO REFUSAL

TEST PIT #3 EL 48.5

0 –12" 5Y5/4 CLAY FILL (TO BE REMOVED)
12–24" 10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE (REMOVE)
24–48" 10YR5/4 TO 5/6 FINE SAND, GRANULAR FRIABLE
48–77" 2.5Y5/4 FINE SAND, GRANULAR FRIABLE
ESHWT @ 48", OBSERVED H2O @ 48", ROOTS TO 48"
NO REFUSAL

TEST PIT #4 EL 46.5

0 –15" 10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE
15–25" 2.5Y5/6 FINE SANDY LOAM, GRANULAR FRIABLE
25–73" 2.5Y5/4 SILTY FINE SANDY LOAM, MASSIVE, WET
ESHWT @ 25", OBSERVED H2O @ 36", ROOTS TO 36"
REFUSAL (LEDGE) AT 73"

PT PERC TEST DATA

DATE 5/3/06 PERC RATE: 3 MIN/IN DEPTH: 30"

DESIGN LOADING: 4 BEDROOMS OR 600 GPD COMMERCIAL

AREA REQUIRED: 795 SF X 1.25 (HAMPTON FALLS) = 994 SF

AREA PROPOSED: 20' X 50' = 1000 SF PROVIDED

PROPOSED

SEPTIC SYSTEM PLAN

LOCUS: 148 LAFAYETTE ROAD
HAMPTON FALLS, NH

OWNER: ROWELL & WATSON, INC.
C/O JANICE REILLY, 103 SPUR ROAD
DOVER, NH 03820

NEW HAMPSHIRE Designer of Subsurface Disposal Systems * * * Ann W. Bialobrzeski No. 340 Water Supply & Pollution Control

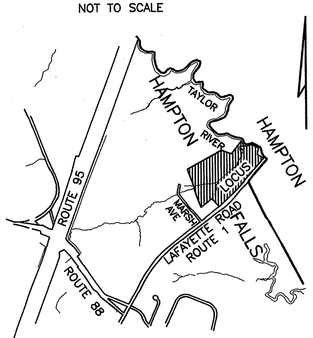
APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306
AMENDED 9/13/06
TANKS ONLY

DATE: MAY 10, 2006

APPROVAL: CA2006080965

LOCUS MAP

NOT TO SCALE



SOIL CLASS: 38 ELDRIDGE

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1 SET NAIL 36" WALNUT EL 50.47

#2 SET HUB EL 45.75

#3 TOP OF CONCRETE POST EL 50.42

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 49.0
2. THERE IS/ARE APPROX 6" FT ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS.

SUITABLE REPLACEMENT AREA:

SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 / (50.0) — EXISTING SPOT ELEVATION / PROPOSED SPOT ELEVATION

NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:

   RCRD PLAN D24499

2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A OVER 5 ACRES

3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.

4. NO SURFACE WATER/OR WELL WITHIN 100' OF PROPOSED LEACH FIELD (HYDRIC SOILS)

PUMP SPECIFICATIONS

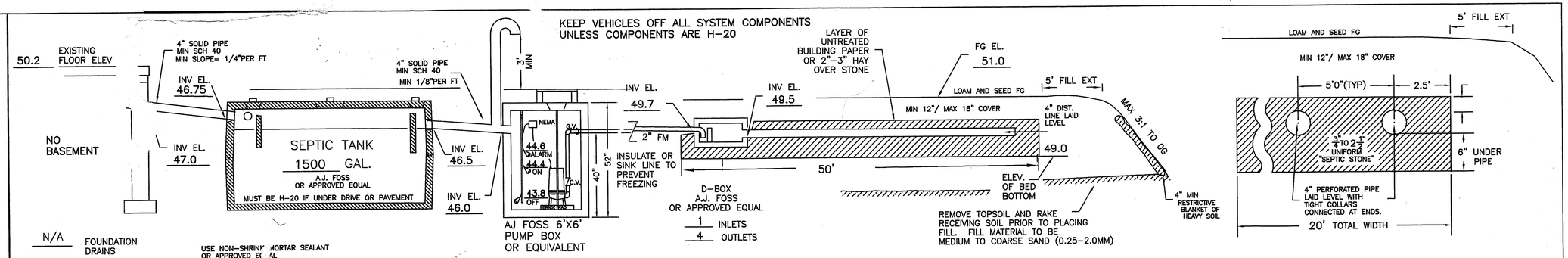
USE 1 PUMP, STA–RITE EC44012M
4/10 HP, 115 VOLTS, 2" DISCHARGE
(OR EQUIVALENT)
FLOATS TO BE SET TO DISTRIBUTE
DOSAGE OF 130 GALLONS± PER DOSE
FOR 4.6 CYCLES PER DAY BASED ON
600 GPD DESIGN LOADING.
PUMP WILL DELIVER APPROX 50 GPM AT
12'± TDH FOR 2.6 MIN EST. RUNNING TIME

TO BE EQUIPPED WITH AUDIBLE ALARM.
ELECTRICAL CONTROLS MUST BE APPROVED
BY PUMP MANUFACTURER.

SURVEY PLAN OF ENTIRE TRACT ATTACHED.

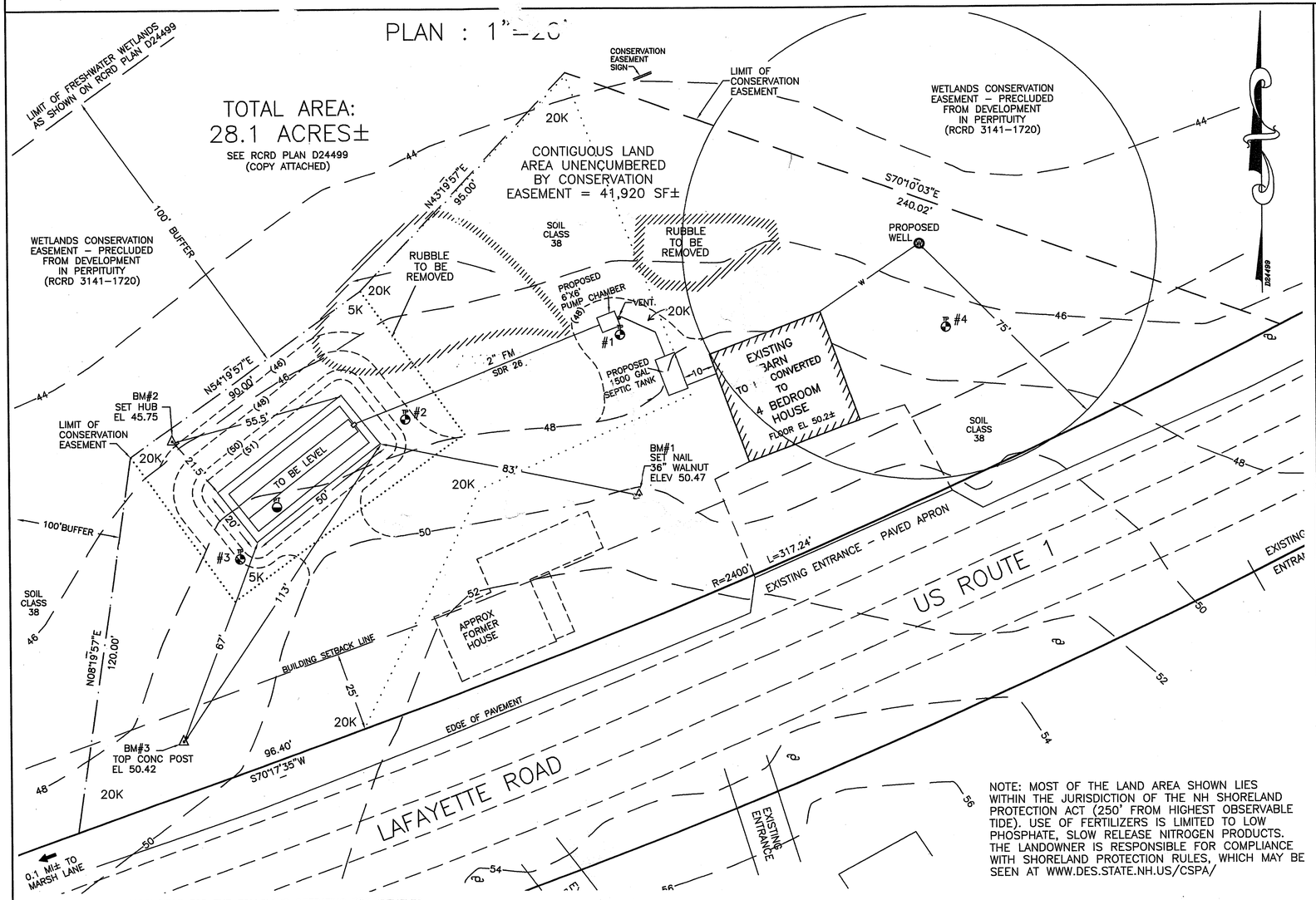
PLOT PLAN

1"=APPROX _____


KEEP VEHICLES OFF ALL SYSTEM COMPONENTS UNLESS COMPONENTS ARE H–20
50.2 EXISTING FLOOR ELEV
NO BASEMENT
4" SOLID PIPE MIN SCH 40 MIN SLOPE= 1/4"PER FT
INV EL. 46.75
INV EL. 47.0
SEPTIC TANK
1500 GAL.
A.J. FOSS OR APPROVED EQUAL
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
INV EL. 46.5
INV EL. 46.0
12" MIN
NEMA
44.6 ALARM ON
44.4 ON
43.8 OFF
G.V.
C.V.
40"
52"
INV EL. 49.7
2" FM
INSULATE OR SINK LINE TO PREVENT FREEZING
AJ FOSS 6'X6' PUMP BOX OR EQUIVALENT
N/A FOUNDATION DRAINS
NO BASEMENT
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
INV EL. 49.5
FG EL. 51.0
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
49.0
50'
D–BOX A.J. FOSS OR APPROVED EQUAL
1 INLETS
4 OUTLETS
ELEV. OF BED BOTTOM
MAX 3:1 TO 0G
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
3"–TO 2 1" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
20' TOTAL WIDTH

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



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TP TEST PIT DATA

DATE: MAY 3, 2006 TOWN INSPECTOR RICHARD BOND

TEST PIT #1 EL 47.0

0 –12"	10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE
12–24"	10YR4/6 FINE SAND, GRANULAR, FRIABLE
24–36"	2.5Y5/6 FINE SAND, GRANULAR FRIABLE, MOTTLED
36–72"	2.5Y5/4 SILTY FINE SANDY LOAM, MASSIVE FIRM

ESHWT @ 24", OBSERVED H2O @ 24", ROOTS TO 32"
NO REFUSAL, HEAVY ANTECEDENT RAIN

TEST PIT #2 EL 47.4

0 –12"	10YR3/4 FINE SANDY LOAM, GRANULAR, FRIABLE (REMOVE)
12–24"	10YR5/4 TO 5/6 FINE SAND, GRANULAR FRIABLE
24–29"	2.5Y5/4 FINE SAND, GRANULAR, FRIABLE
29–36"	2.5Y5/3 FINE SAND, 10YR5/6 STAINING 29–31"
36–72"	2.5Y5/3 SILTY FINE SANDY LOAM, MASSIVE FIRM

ESHWT @ 29", OBSERVED H2O @ 36", ROOTS TO 30"
NO REFUSAL

TEST PIT #3 EL 48.5

0 –12"	5Y5/4 CLAY FILL (TO BE REMOVED)
12–24"	10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE (REMOVE)
24–48"	10YR5/4 TO 5/6 FINE SAND, GRANULAR FRIABLE
48–77"	2.5Y5/4 FINE SAND, GRANULAR FRIABLE

ESHWT @ 48", OBSERVED H2O @ 48", ROOTS TO 48"
NO REFUSAL

TEST PIT #4 EL 46.5

0 –15"	10YR3/3 FINE SANDY LOAM, GRANULAR FRIABLE
15–25"	2.5Y5/6 FINE SANDY LOAM, GRANULAR FRIABLE
25–73"	2.5Y5/4 SILTY FINE SANDY LOAM, MASSIVE, WET

ESHWT @ 25", OBSERVED H2O @ 36", ROOTS TO 36"
REFUSAL (LEDGE) AT 73"

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DATE 5/3/06 PERC RATE: 3 MIN/IN DEPTH: 30"

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AREA REQUIRED: 795 SF X 1.25 (HAMPTON FALLS) = 994 SF

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PROPOSED

SEPTIC SYSTEM PLAN

LOCUS: 148 LAFAYETTE ROAD
HAMPTON FALLS, NH

OWNER: ROWELL & WATSON, INC.
C/O JANICE REILLY, 103 SPUR ROAD
DOVER, NH 03820

NEW HAMPSHIRE Designer of Subsurface Disposal Systems
Ann W. Bialobrzeski No. 348
Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306
AMENDED 9/1/06
TANKS ONLY
DATE: MAY 10, 2006

APPROVAL: CA2006080965